

Increasing Visibility of Research in IUPUI ScholarWorks through NCBI LinkOut

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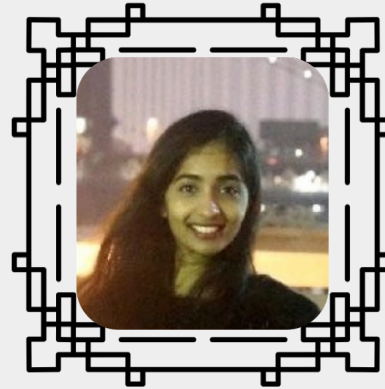
hello!

Erin [Data Services Librarian]

Ted [Social Sciences & Digital
Publishing Librarian]

Varsha [ScholarWorks Student
Assistant]

Jere [Scholarly Communications
Librarian]



An aerial night photograph of a large, modern hospital building. The building features a prominent glass facade that is brightly lit from within, revealing internal structures and multiple floors. A tall, slender tower with a grid-like pattern of windows rises from the left side of the main building. A long, curved glass-enclosed walkway or skybridge extends from the main building towards the right. The surrounding area includes a multi-lane road with light trails from vehicles, streetlights, and other buildings in the background under a dark, cloudy sky. The word "Background" is overlaid in large black text on the left side of the image.


Background

IUPUI ScholarWorks



IUPUI

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{scholarworks.iupui.edu}

Joining NCBI LinkOut for IRs

The National Center for Biotechnology Information (NCBI) LinkOut service has expanded to include links to institutional repositories (IRs).

To participate, institutional repositories need to provide:

- Basic repository details (e.g., name, URL, contact information)
- Documentation about the repository's intellectual property policy
- Identification of repository records that are in PubMed, but not already freely available in PubMed Central (PMC)*

*Require at least 1,000 articles that fit this criteria

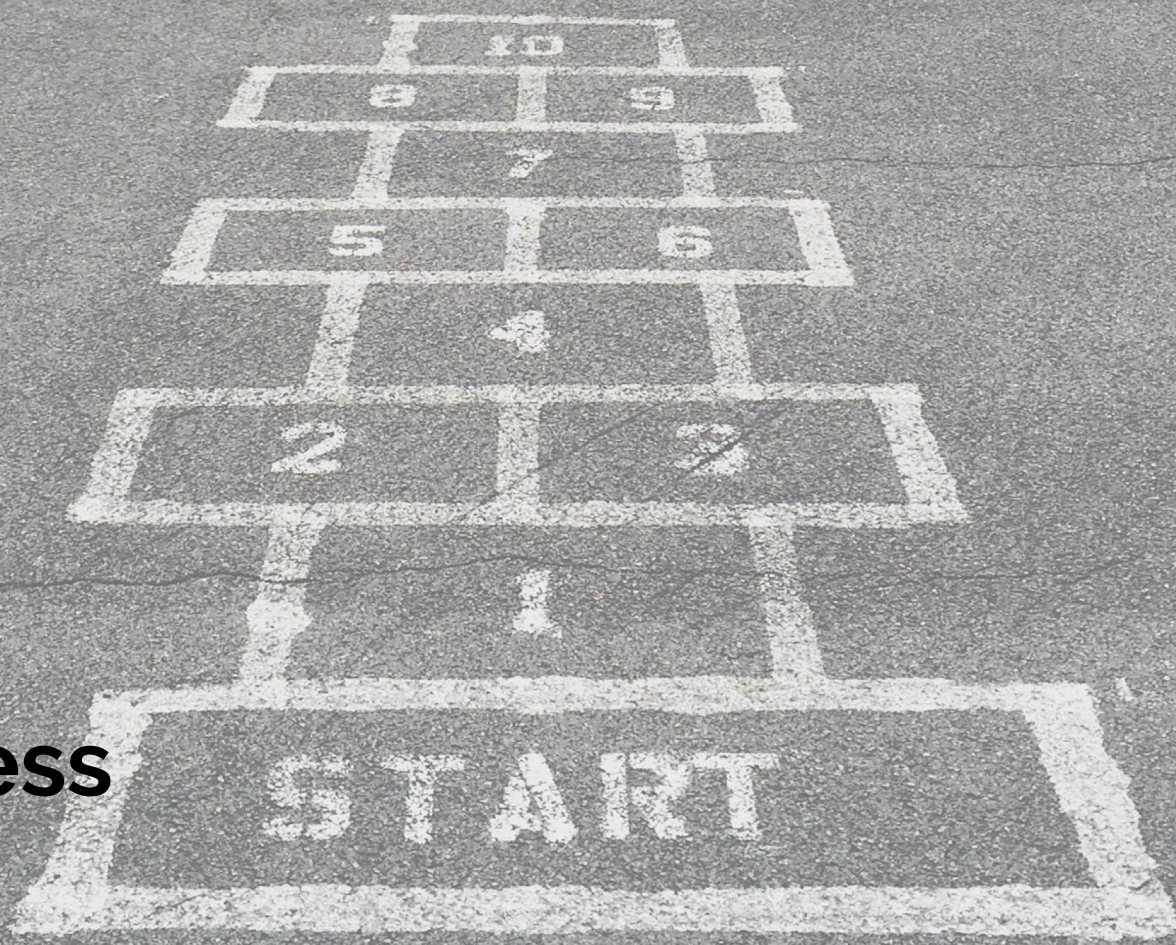
Learn more and apply: <https://www.ncbi.nlm.nih.gov/projects/linkout/doc/IR-application.shtml>

Why did we do this?

Integrating IUPUI ScholarWorks with PubMed allows us to expand the visibility of our scholarship - both internal and external to the university.

In short, PubMed registers more with (most) medical faculty than IUPUI ScholarWorks.

Process



Implementation needs

To implement the solution, some needs are:

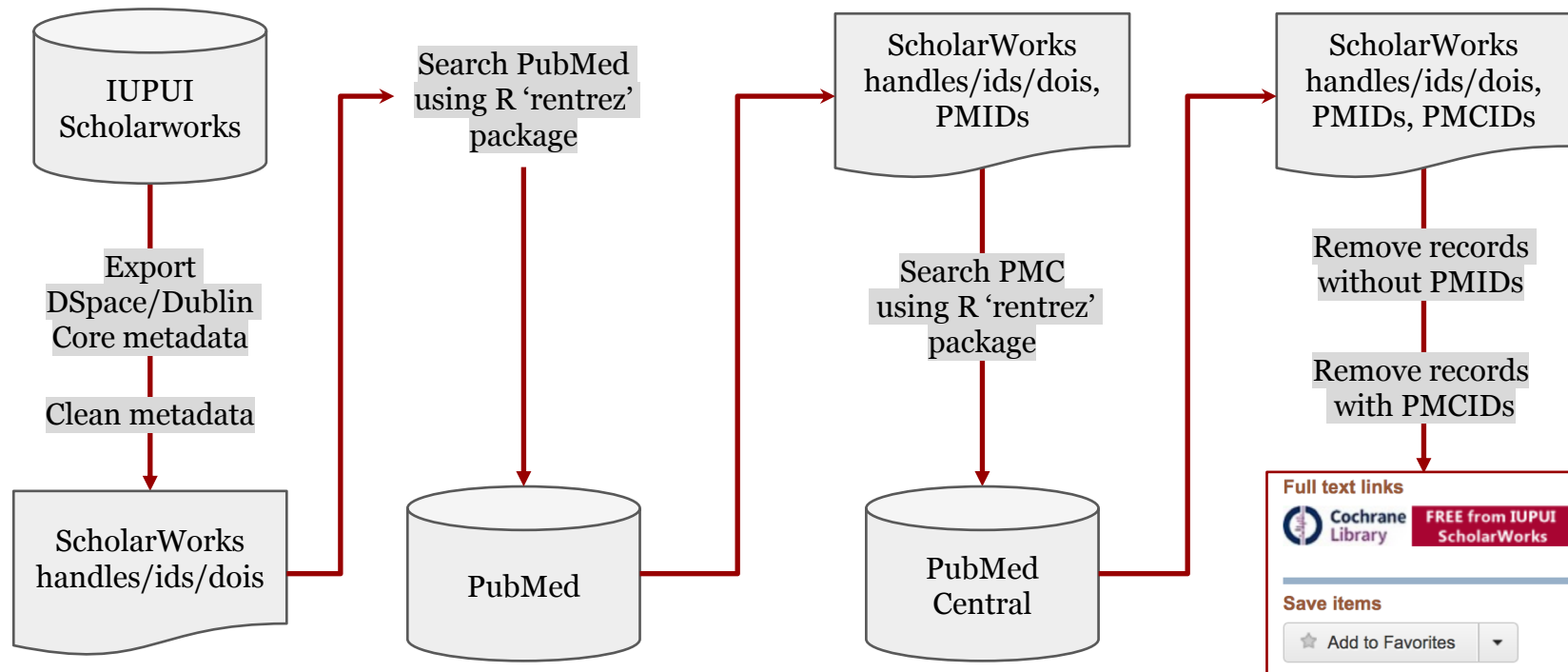
1. Repository infrastructure

- Importance of staff for repository content knowledge and long-term implementation
- Well-developed content
- Unique identifiers (e.g., handles, DOIs)

1. R knowledge

- How to create scripts and troubleshoot
- Understanding of APIs

Workflow



Outcomes



Photo by [Jeremy Bishop](#) on [Unsplash](#)

Format: Abstract ▾

Send to ▾


Curr Osteoporos Rep. 2017 Jun;15(3):171-177. doi: 10.1007/s11914-017-0361-4.

What Animal Models Have Taught Us About the Safety and Efficacy of Bisphosphonates in Chronic Kidney Disease.

Allen MR^{1,2,3,4}, Aref MW⁵.

⊕ Author information

Full text links

 **FREE from IUPUI ScholarWorks**

Save items

★ Add to Favorites ▾

We currently have
1,003 articles that
link out (in one way
or another) to IUPUI
ScholarWorks from
PubMed.

LinkOut - more resources

Full Text Sources

[Silverchair Information Systems](#)
[Europe PubMed Central - Author Manuscript](#)
[Ovid Technologies, Inc.](#)
[PubMed Central - Author Manuscript](#)

Other Literature Sources

[Full Text From - IUPUI ScholarWorks](#)

Medical

[Breast Cancer - Genetic Alliance](#)
[Breast Cancer - MedlinePlus Health Information](#)

Miscellaneous

[TAXOL - Hazardous Substances Data Bank](#)
[Trastuzumab - Hazardous Substances Data Bank](#)
[NCI CPTAC Assay Portal](#)
[NCI CPTC Antibody Characterization Program](#)
[NCI CPTC Antibody Characterization Program](#)

ScholarWorks items *not*
linked to PubMed were
viewed/downloaded

4.75

times per month

ScholarWorks items linked
to PubMed were
viewed/downloaded

11.64

times per month

Faculty feedback

“Researchers want [their] work to make an impact. Impact, however one defines it, can only occur if results are broadly shared. The work by our university librarians, first to build ScholarWorks and now to integrate it with PubMed helps our faculty reach a larger audience - and thereby increases the potential impact of all of our work.”

Matthew R Allen, PhD
Professor
Anatomy & Cell Biology

“...this approach allows us to track readership that we might not have otherwise known. The download numbers provided through IUPUI ScholarWorks are useful to have to provide further evidence for promotion and tenure processes.”

Rebecca Bartlett Ellis, PhD, RN
Assistant Professor
Nursing



Where we go from here?

Challenges throughout

Some challenges of this project were easier to anticipate than others.

Communication

- Externally, with NCBI on identifying the right set of articles.
- Internally, with who needs to be part of/informed about this project.

Process

- Remembering workflow when sending another batch to NCBI.
 - Speed at which batches are sent - currently annually.
- Cleaning up records in ScholarWorks and being cognizant of links between systems.

What we've learned



Jere still doesn't know R.
But he knows how to run the R script.



The importance of documentation,
documentation, documentation!

Thank you

Check out our article on this project for more details:
<http://hdl.handle.net/1805/14460>

